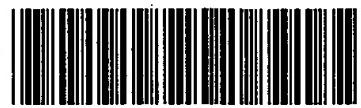


~~0570~~  
~~0570~~

#7



OIPE

## ENTERED

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/975,376A

DATE: 05/16/2002  
TIME: 16:54:42

Input Set : A:\00-713-i12 Rev seq list.txt  
Output Set: N:\CRF3\05162002\I975376A.raw

```

3 <110> APPLICANT: Mirkin, Chad A.
4     Letsinger, Robert L.
5     Mucic, Robert C.
6     Storhoff, James J.
7     Elghanian, Robert
8     Taton, Thomas A.
10 <120> TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
11 AND USES THEREFOR
13 <130> FILE REFERENCE: 00-713-i12
15 <140> CURRENT APPLICATION NUMBER: 09/975,376A
C--> 16 <141> CURRENT FILING DATE: 2002-05-07
18 <150> PRIOR APPLICATION NUMBER: 09/603,830
19 <151> PRIOR FILING DATE: 2000-06-26
21 <150> PRIOR APPLICATION NUMBER: 09/344,667
22 <151> PRIOR FILING DATE: 1999-06-25
24 <150> PRIOR APPLICATION NUMBER: 09/240,755
25 <151> PRIOR FILING DATE: 1999-01-29
27 <150> PRIOR APPLICATION NUMBER: PCT/US97/12783
28 <151> PRIOR FILING DATE: 1997-07-21
30 <150> PRIOR APPLICATION NUMBER: 60/031,809
31 <151> PRIOR FILING DATE: 1996-07-29
33 <150> PRIOR APPLICATION NUMBER: 60/200,161
34 <151> PRIOR FILING DATE: 2000-04-26
36 <160> NUMBER OF SEQ ID NOS: 64
38 <170> SOFTWARE: Microsoft Word 2000
40 <210> SEQ ID NO: 1
41 <211> LENGTH: 20
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence:random
47 synthetic sequence
49 <400> SEQUENCE: 1
50 aaacgactct agcgctata
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 20
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence:random
60 synthetic sequence
62 <400> SEQUENCE: 2
63 atggcaacta tacgcgttag

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20

20

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/975,376A

DATE: 05/16/2002

TIME: 16:54:42

Input Set : A:\00-713-i12 Rev seq list.txt

Output Set: N:\CRF3\05162002\I975376A.raw

66 <210> SEQ ID NO: 3  
 67 <211> LENGTH: 16  
 68 <212> TYPE: DNA  
 69 <213> ORGANISM: Artificial Sequence  
 71 <220> FEATURE:  
 72 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
 synthetic sequence  
 75 <400> SEQUENCE: 3  
 76 ccttgagatt tccctc 16  
 79 <210> SEQ ID NO: 4  
 80 <211> LENGTH: 16  
 81 <212> TYPE: DNA  
 82 <213> ORGANISM: Artificial Sequence  
 84 <220> FEATURE:  
 85 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
 synthetic sequence  
 88 <400> SEQUENCE: 4  
 89 gagggaaatc tcaagg 16  
 92 <210> SEQ ID NO: 5  
 93 <211> LENGTH: 18  
 94 <212> TYPE: DNA  
 95 <213> ORGANISM: Artificial Sequence  
 97 <220> FEATURE:  
 98 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
 synthetic sequence  
 101 <400> SEQUENCE: 5  
 102 aacttgcgt aatggcga 18  
 105 <210> SEQ ID NO: 6  
 106 <211> LENGTH: 26  
 107 <212> TYPE: DNA  
 108 <213> ORGANISM: Artificial Sequence  
 110 <220> FEATURE:  
 111 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
 synthetic sequence  
 114 <400> SEQUENCE: 6  
 115 aagttgcgt ttacggctaa tggcga 26  
 118 <210> SEQ ID NO: 7  
 119 <211> LENGTH: 15  
 120 <212> TYPE: DNA  
 121 <213> ORGANISM: Artificial Sequence  
 123 <220> FEATURE:  
 124 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
 synthetic sequence  
 127 <400> SEQUENCE: 7  
 128 ttccttccc ttttc 15  
 131 <210> SEQ ID NO: 8  
 132 <211> LENGTH: 15  
 133 <212> TYPE: DNA  
 134 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 05/16/2002  
PATENT APPLICATION: US/09/975,376A TIME: 16:54:42

Input Set : A:\00-713-i12 Rev seq list.txt  
Output Set: N:\CRF3\05162002\I975376A.raw

136 <220> FEATURE:  
137 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
138 synthetic sequence  
140 <400> SEQUENCE: 8  
141 gaaaaggaa ggaga 15  
144 <210> SEQ ID NO: 9  
145 <211> LENGTH: 15  
146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial Sequence  
149 <220> FEATURE:  
150 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
151 synthetic sequence  
153 <400> SEQUENCE: 9  
154 cttttccctt cctct 15  
157 <210> SEQ ID NO: 10  
158 <211> LENGTH: 28  
159 <212> TYPE: DNA  
160 <213> ORGANISM: Artificial Sequence  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
164 synthetic sequence  
166 <400> SEQUENCE: 10  
167 aaacgactct agcgctata gttgccat 28  
170 <210> SEQ ID NO: 11  
171 <211> LENGTH: 28  
172 <212> TYPE: DNA  
173 <213> ORGANISM: Artificial Sequence  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
177 synthetic sequence  
179 <400> SEQUENCE: 11  
180 atggcaacta tacgcgttag agtcgttt 28  
183 <210> SEQ ID NO: 12  
184 <211> LENGTH: 15  
185 <212> TYPE: DNA  
186 <213> ORGANISM: Artificial Sequence  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
190 synthetic sequence  
192 <400> SEQUENCE: 12 15  
193 cctatcgacc atgct  
196 <210> SEQ ID NO: 13  
197 <211> LENGTH: 30  
198 <212> TYPE: DNA  
199 <213> ORGANISM: Artificial Sequence  
201 <220> FEATURE:  
202 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
203 synthetic sequence  
205 <400> SEQUENCE: 13

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/975,376A

DATE: 05/16/2002

TIME: 16:54:42

Input Set : A:\00-713-i12 Rev seq list.txt  
Output Set: N:\CRF3\05162002\I975376A.raw

206 agcatggtcg ataggaaacg actctagcgc 30  
209 <210> SEQ ID NO: 14  
210 <211> LENGTH: 15  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
216 synthetic sequence  
218 <400> SEQUENCE: 14 15  
219 gcgctagagt cgttt  
222 <210> SEQ ID NO: 15  
223 <211> LENGTH: 30  
224 <212> TYPE: DNA  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
228 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
229 synthetic sequence  
231 <400> SEQUENCE: 15  
232 agcatggtcg ataggatggc aactatacgc 30  
235 <210> SEQ ID NO: 16  
236 <211> LENGTH: 24  
237 <212> TYPE: DNA  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
242 synthetic sequence  
244 <400> SEQUENCE: 16 24  
245 gtcgatagga aacgactcta gcgc  
248 <210> SEQ ID NO: 17  
249 <211> LENGTH: 30  
250 <212> TYPE: DNA  
251 <213> ORGANISM: Artificial Sequence  
253 <220> FEATURE:  
254 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
255 synthetic sequence  
257 <400> SEQUENCE: 17  
258 agcatggttt ataggaaacg actctagcgc 30  
261 <210> SEQ ID NO: 18  
262 <211> LENGTH: 30  
263 <212> TYPE: DNA  
264 <213> ORGANISM: Artificial Sequence  
266 <220> FEATURE:  
267 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
268 synthetic sequence  
270 <400> SEQUENCE: 18  
271 agcatgtttt ataggaaacg actctagcgc 30  
274 <210> SEQ ID NO: 19  
275 <211> LENGTH: 12  
276 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 05/16/2002  
PATENT APPLICATION: US/09/975,376A TIME: 16:54:42

Input Set : A:\00-713-i12 Rev seq list.txt  
Output Set: N:\CRF3\05162002\I975376A.raw

277 <213> ORGANISM: Artificial Sequence  
279 <220> FEATURE:  
280 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
281 synthetic sequence  
283 <400> SEQUENCE: 19  
284 tctcaactcg ta 12  
287 <210> SEQ ID NO: 20  
288 <211> LENGTH: 12  
289 <212> TYPE: DNA  
290 <213> ORGANISM: Artificial Sequence  
292 <220> FEATURE:  
293 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
294 synthetic sequence  
296 <400> SEQUENCE: 20  
297 cgcattcagg at 12  
300 <210> SEQ ID NO: 21  
301 <211> LENGTH: 24  
302 <212> TYPE: DNA  
303 <213> ORGANISM: Artificial Sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
307 synthetic sequence  
309 <400> SEQUENCE: 21  
310 tacgagttga gagagtgcc acat 24  
313 <210> SEQ ID NO: 22  
314 <211> LENGTH: 24  
315 <212> TYPE: DNA  
316 <213> ORGANISM: Artificial Sequence  
318 <220> FEATURE:  
319 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
320 synthetic sequence  
322 <400> SEQUENCE: 22  
323 tacgagttga gaatctgaa tgcg 24  
326 <210> SEQ ID NO: 23  
327 <211> LENGTH: 24  
328 <212> TYPE: DNA  
329 <213> ORGANISM: Artificial Sequence  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
333 synthetic sequence  
335 <400> SEQUENCE: 23  
336 tacgagttga gaatcctgaa tgct 24  
339 <210> SEQ ID NO: 24  
340 <211> LENGTH: 24  
341 <212> TYPE: DNA  
342 <213> ORGANISM: Artificial Sequence  
344 <220> FEATURE:  
345 <223> OTHER INFORMATION: Description of Artificial Sequence:random  
346 synthetic sequence

RAW SEQUENCE LISTING ERROR SUMMARY            DATE: 05/16/2002  
PATENT APPLICATION: US/09/975,376A            TIME: 16:54:43

Input Set : A:\00-713-i12 Rev seq list.txt  
Output Set: N:\CRF3\05162002\I975376A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:57; N Pos. 8

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/975,376A

DATE: 05/16/2002

TIME: 16:54:43

Input Set : A:\00-713-i12 Rev seq list.txt

Output Set: N:\CRF3\05162002\I975376A.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0